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ON protein - protein search, using sw model.

Run on: December 19, 2002, 14:55:37 ; Search time 12 Seconds  
 (without alignments)  
 793.474 Million cell updates/sec

Title: US-08-813-323B-2

Perfect score: 3008

Sequence: 1 MESSKKMDSPGALQTNPPLK. .... 7KDDTRIFIKVIVDSDLDPD 568

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 106657 seqs, 1676532 residues

Total number of hits satisfying chosen parameters: 106657

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:\*

1: /cgn2\_6/pidata/2/pubpaas/US08\_NEW\_PUB\_pep:\*

2: /cgn2\_6/pidata/2/pubpaas/PCT\_NEW\_PUB\_pep:\*

3: /cgn2\_6/pidata/2/pubpaas/US06\_NEW\_PUB\_pep:\*

4: /cgn2\_6/pidata/2/pubpaas/US05\_PUBCOMB\_pep:\*

5: /cgn2\_6/pidata/2/pubpaas/US07\_PUBCOMB\_pep:\*

6: /cgn2\_6/pidata/2/pubpaas/US10\_PUBCOMB\_pep:\*

7: /cgn2\_6/pidata/2/pubpaas/PC0US\_PUBCOMB\_pep:\*

8: /cgn2\_6/pidata/2/pubpaas/US08\_PUBCOMB\_pep:\*

9: /cgn2\_6/pidata/2/pubpaas/US09\_NEW\_PUB\_pep:\*

10: /cgn2\_6/pidata/2/pubpaas/US09\_PUBCOMB\_pep:\*

11: /cgn2\_6/pidata/2/pubpaas/US10\_NEW\_PUB\_pep:\*

12: /cgn2\_6/pidata/2/pubpaas/US10\_PUBCOMB\_pep:\*

13: /cgn2\_6/pidata/2/pubpaas/US00\_NEW\_PUB\_pep:\*

14: /cgn2\_6/pidata/2/pubpaas/US60\_PUBCOMB\_pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
1	3008	100.0	568	8 US-08-813-323A-2
2	2879.5	95.7	566	8 US-08-813-323A-1
3	2831.5	94.1	543	10 US-09-757-041-2
4	2224	73.9	438	10 US-09-950-902-2
5	1701.5	56.6	347	10 US-09-950-902-4
6	214	7.1	43	10 US-09-798-789-4
7	214	7.1	43	10 US-09-981-289-4
8	186.5	6.2	72	10 US-09-864-33993
9	153	5.1	658	10 US-09-764-864-818
10	149	5.0	185	9 US-09-949-842-19
11	149	5.0	563	10 US-09-761-864-1277
12	147	4.9	232	10 US-09-998-667-1
13	137	4.6	503	10 US-09-761-864-835
14	136	4.5	245	10 US-09-998-667-9
15	136	4.5	1641	9 US-10-017-216-5
16	134.5	4.5	2139	10 US-09-727-384-6
17	133.5	4.4	239	10 US-09-998-667-7
18	133	4.4	285	10 US-09-764-864-841
19	130.5	4.3	829	10 US-09-946-805-8

ALIGNMENTS

RESULT 1

US-08-813-323A-2

; Sequence 2, Application US/08813323A

; Patent No. US20020031522A1

; GENERAL INFORMATION:

; APPLICANT: Baltimore, David

; APPLICANT: Cheng, Genhong

; APPLICANT: Cleary, Aileen

; APPLICANT: Lederman, Seth

; APPLICANT: Ye, Zheng-sheng

; TIME OF INVENTION: TRUNCATED CRAFT1 INHIBITS CD40 SIGNALING

; NUMBER OF SEQUENCES: 5

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Cooper & Dunham, LLP

; STREET: 1185 Avenue of the Americas

; CITY: New York

; STATE: New York

; COUNTRY: USA

; ZIP: 10036

COMPUTER READABLE FORM:

MEDIUM TYPE: FLOPPY disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOSS-DOS

SOFTWARE: PatentIn Release #1.0, version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/813, 323A

FILING DATE:

CLASSIFICATION: 530

ATTORNEY/AGENT INFORMATION:

NAME: White, John P

NAME: White, John P

REGISTRATION NUMBER: 28, 678

REFERENCE/DOCKET NUMBER: 50059

TELECOMMUNICATION INFORMATION:

TELEPHONE: (212) 278-0400

TELEFAX: (212) 391-0525

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 568 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: peptide

FEATURE: Peptide  
 NAME/KEY: Peptide  
 LOCATION: 1..568  
 US-08-813-323A-2

Query Match 100.0%; Score 3008; DB 8; Length 568;  
 Best Local Similarity 100.0%; pred. No. 2; e-210; Mismatches 0; Indels 0; Gaps 0;  
 Matches 568; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MESSKKMDSPGALQTNPPLKHTDRSAGTPVVFPEQQGYKEFKVVEDKYCEKHLVL 60  
 Db 1 MESSKKMDSPGALQTNPPLKHTDRSAGTPVVFPEQQGYKEFKVVEDKYCEKHLVL 60

QY 61 CSPKOTECGHRFCESMAALLSSSSPCKTACOESIVKDKVFKDNCCRELLALQIYCNE 120  
 Db 61 CSPKOTECGHRFCESMAALLSSSSPCKTACOESIVKDKVFKDNCCRELLALQIYCNE 120

QY 121 SQSOPMIALQKHDIDCPCVWVSCPHKCSVQTLRSELSEAHSECYNAFSCSFKRYGC 180  
 Db 121 SRGCAEQLTGHLYLVLKNDCHFEELPCVPRDCPKERYLKDRLHVEACKYREATCSHC 180

QY 181 KSQVPMIALQKHDIDCPCVWVSCPHKCSVQTLRSELSEAHSECYNAFSCSFKRYGC 240  
 Db 181 KSQVPMIALQKHDIDCPCVWVSCPHKCSVQTLRSELSEAHSECYNAFSCSFKRYGC 240

QY 241 FQGTNQOQTKAHEASSAVOHVNLLKEWSNLSERKVSLLQNESEVKNSIOSLHNQICSEI 300  
 Db 241 FQGTNQOQTKAHEASSAVOHVNLLKEWSNLSERKVSLLQNESEVKNSIOSLHNQICSEI 300

QY 301 EIERQKEMLRNNESKILHQLRVIDSQAEKLLKEDKEIRPRFONWEADSMKSSVSLQNR 360  
 Db 301 EIERQKEMLRNNESKILHQLRVIDSQAEKLLKEDKEIRPRFONWEADSMKSSVSLQNR 360

QY 361 VTELESVDSKAGQAVRNTGILLESQLSRHDQMSVHDRLADMLRFOVLETASYNGVL 420  
 Db 361 VTELESVDSKAGQAVRNTGILLESQLSRHDQMSVHDRLADMLRFOVLETASYNGVL 420

Db 361 VTELESVDSKAGQAVRNTGILLESQLSRHDQMSVHDRLADMLRFOVLETASYNGVL 420

QY 421 KIRDYKRRKQEAVMGKTLISYQSPFTGFGYKMCARVYLNGDMGKGTHLISLFFVIMRG 480  
 Db 421 KIRDYKRRKQEAVMGKTLISYQSPFTGFGYKMCARVYLNGDMGKGTHLISLFFVIMRG 480

QY 481 EYDALLPWPKQVKVTLMDQGSSRRHLGDAKPDPNSSSFKPTGEMNTIASGCPVFAQ 540  
 Db 481 EYDALLPWPKQVKVTLMDQGSSRRHLGDAKPDPNSSSFKPTGEMNTIASGCPVFAQ 540

QY 541 TVLNGTYIKDTIFIKVIVTSDLPDP 568  
 Db 541 TVLNGTYIKDTIFIKVIVTSDLPDP 568

RESULT 2  
 US-08-813-323A-1  
 ; Sequence 1, Application US/08813323A  
 ; Patent No. US20020031522A1

GENERAL INFORMATION:  
 ; APPLICANT: Baltimore, David  
 ; APPLICANT: Cheng, Gehong  
 ; APPLICANT: Cleary, Aileen  
 ; APPLICANT: Lederman, Seth  
 ; APPLICANT: Ye, Zheng-sheng

TITLE OF INVENTION: TRUNCATED CRAFT1 INHIBITS CD40 SIGNALING  
 NUMBER OF SEQUENCES: 5  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Cooper & Dunham, LLP  
 STREET: 1185 Avenue of the Americas  
 CITY: New York  
 STATE: New York  
 COUNTRY: USA  
 ZIP: 10036

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/813,323A  
 FILING DATE:  
 CLASSIFICATION: 530

ATTORNEY/AGENT INFORMATION:  
 NAME: White, John P  
 REGISTRATION NUMBER: 28,678  
 REFERENCE DOCKET NUMBER: 50659

TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (212) 278-0400  
 FAX: (212) 391-0225

INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 566 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: peptide

FEATURE: Peptide  
 NAME/KEY: Peptide  
 LOCATION: 1..566

US-08-813-323A-1

Query Match 95.7%; Score 2879.5; DB 8; Length 566;  
 Best Local Similarity 96.1%; Pred. No. 5.7e-201; Mismatches 7; Indels 1; Gaps 1;  
 Matches 545; Conservative 7; Mismatches 7; Indels 1; Gaps 1;

QY 1 MESSKKMDSPGALQTNPPLKHTDRSAGTPVVFPEQQGYKEFKVVEDKYCEKHLVL 60  
 Db 1 MESSKKMDSPGALQTNPPLKHTDRSAGTPVVFPEQQGYKEFKVVEDKYCEKHLVL 60

QY 121 SRGCAEQLTGHLYLVLKNDCHFEELPCVPRDCPKERYLKDRLHVEACKYREATCSHC 180  
 Db 121 SRGCAEQLTGHLYLVLKNDCHFEELPCVPRDCPKERYLKDRLHVEACKYREATCSHC 180

QY 181 KSQVPMIALQKHDIDCPCVWVSCPHKCSVQTLRSELSEAHSECYNAFSCSFKRYGC 240  
 Db 181 KSQVPMIALQKHDIDCPCVWVSCPHKCSVQTLRSELSEAHSECYNAFSCSFKRYGC 240

QY 241 FQGTNQOQTKAHEASSAVOHVNLLKEWSNLSERKVSLLQNESEVKNSIOSLHNQICSEI 300  
 Db 241 FQGTNQOQTKAHEASSAVOHVNLLKEWSNLSERKVSLLQNESEVKNSIOSLHNQICSEI 300

QY 301 EIERQKEMLRNNESKILHQLRVIDSQAEKLLKEDKEIRPRFONWEADSMKSSVSLQNR 360  
 Db 301 EIERQKEMLRNNESKILHQLRVIDSQAEKLLKEDKEIRPRFONWEADSMKSSVSLQNR 360

QY 361 VTELESVDSKAGQAVRNTGILLESQLSRHDQMSVHDRLADMLRFOVLETASYNGVL 420  
 Db 361 VTELESVDSKAGQAVRNTGILLESQLSRHDQMSVHDRLADMLRFOVLETASYNGVL 420

Db 361 VTELESVDSKAGQAVRNTGILLESQLSRHDQMSVHDRLADMLRFOVLETASYNGVL 420

QY 421 KIRDYKRRKQEAVMGKTLISYQSPFTGFGYKMCARVYLNGDMGKGTHLISLFFVIMRG 480  
 Db 421 KIRDYKRRKQEAVMGKTLISYQSPFTGFGYKMCARVYLNGDMGKGTHLISLFFVIMRG 480

QY 481 EYDALLPWPKQVKVTLMDQGSSRRHLGDAKPDPNSSSFKPTGEMNTIASGCPVFAQ 540  
 Db 481 EYDALLPWPKQVKVTLMDQGSSRRHLGDAKPDPNSSSFKPTGEMNTIASGCPVFAQ 540

QY 541 TVLNGTYIKDTIFIKVIVTSDLPDP 567  
 Db 541 TVLNGTYIKDTIFIKVIVTSDLPDP 567

RESULT 3  
 US-09-757-041-2  
 ; Sequence 2, Application US/09757041  
 ; Patent No. US2002009726A1

GENERAL INFORMATION:

APPLICANT: Reed, John C.

APPLICANT: Sato, Takaaki

TITLE OF INVENTION: CD40 Associated Proteins

NUMBER OF SEQUENCES: 17

CORRESPONDENCE ADDRESS:

STREET: 4370 La Jolla Village Drive, Suite 700

CITY: San Diego

STATE: California

COUNTRY: USA

ZIP: 92122

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/757,041

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/349,357

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Campbell, Cathryn A.

REGISTRATION NUMBER: 31,815

REFERENCE/DOCKET NUMBER: P-LJ 1203

TELECOMMUNICATION INFORMATION:

TELEPHONE: (619) 535-9001

TELEFAX: (619) 535-8949

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 543 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

S-09-757-041-2

Query Match: 94.1%; Score: 2831.5; DB: 10

best Local Similarity: 95.2%; Pred: No. 1; Rev: -17;

Matches: 541; Conservative: 0; Mismatches: 2;

1 MESSKKMSPGALQTNPPLKHLDRAGTGPVNPPEGGYKEKFKVIV

1 MESSKKMSPGALQTNPPLKHLDRAGTGPVNPPEGGYKEKFKVIV

61 CSPKQTECGHRFCESCHMALLSSSPKCTACOESTIVDKYFKDNQ

61 CSPKQTECGHRFCESCHMALLSSSPKCTACOESTIVDKYFKDNQ

121 SRGGAAQTLGHLVHLVKNDCFEELPCVRDCKEVLKRLDRDD

121 SRGGAAQTLGHLVHLVKNDCFEELPCVRDCKEVLKRLDRDD

181 KSQVPMIALQKEDTDCPVVSCPHCSVOTLRLSEAHLSLSE

181 KSQVPMIALQKEDTDCPVVSCPHCSVOTLRLSEAHLSLSE

241 FGQTNNQTKAHEASSAVHVNQNLKEWNSLEKVSQSLQNESEVK

218 - -GNNQTKAHEASSAVHVNQNLKEWNSLEKVSQSLQNESEVK

301 EIERQEMRNFSKTHLQLRQYIDSQAEKLKELDKETRPFRQNW

301 EIERQEMRNFSKTHLQLRQYIDSQAEKLKELDKETRPFRQNW

276 EIERQEMRNFSKHLQRYIDSQAEKLKELDKETRPFRQNW

361 VTELESVOKSAGQVARNGLSSLQSLSDHDMVSDHTRLADM

336 VTELESVOKSAGQVARNGLSSLQSLSDHDMVSDHTRLADM

421 KIRDYKRRKQEAQMGKTLISYSPFYTGYFGKMCARYVLNGDGG

RESULT 4  
US-09-950-902-2  
; Sequence 2, Application US/09950902  
; Patent No. US200212615A1  
; GENERAL INFORMATION:  
; APPLICANT: The Trustees of Columbia University in the City of  
; TITLE OF INVENTION: TRAF-3 DELETION ISOFORMS AND USES THEREOF  
; FILE REFERENCE: 58732-A-PCT  
; CURRENT APPLICATION NUMBER: US/09/950,902  
; CURRENT FILING DATE: 2001-09-10  
; PRIOR APPLICATION NUMBER: PCT/US00/06503  
; PRIOR FILING DATE: 2000-03-10  
; PRIOR APPLICATION NUMBER: 09/268,544  
; PRIOR FILING DATE: 1999-03-11  
; NUMBER OF SEQ ID NOS: 14  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 2  
; LENGTH: 438  
; TYPE: PRT  
; ORGANISM: isolated TRAF-3 deletion isoform protein  
US-09-950-902-2

TOPOL: linear  
MOLCULE TYPE: protein  
; US-09-757-041-2

Query Match 94.1%; Score 2831.5; DB 10; Length 543;  
Best Local Similarity 95.2%; Pred. No. 1; g-e-197; 2; Indels 25; Gaps  
Matches 541; Conservative 0; Mismatches 2; Indels 25; Gaps

Qy 1 MESSKKMDSPGALOTNPPIKHLDRSAGTPVFRPEQGGYKEFVKTIVEDKKCCEKHLV 60  
Db 1 MESSKKMDSPGALOTNPPIKHLDRSAGTPVFRPEQGGYKEFVKTIVEDKKCCEKHLV 60

Qy 61 CSPKOTECHRCFESCMAALLSSSSPKCTACOBESIVKDKVFKNCCRELLAQIYCNE 120  
Db 61 CSPKOTECHRCFESCMAALLSSSSPKCTACOBESIVKDKVFKNCCRELLAQIYCNE 120

Qy 121 SRGAQABOLTGHLVHLKKNDCHIBELPQWRPDKCEKVLKDJRDHYVERACKYKREATCOSH 180  
Db 121 SRGAEQTLGHLVHLKKNDCHIEELPQWRPDKCEKVLKDJRDHYVERACKYKREATCOSH 180

Qy 181 KSQVPMIAQKHEEDCPCVVWSPHKCSQVOTLRSSEAHLSHLSECVNAPSTCSFKRYVGCV 240  
Db 181 KSQVPMIAQKHEEDCPCVVWSPHKCSQVOTLRSSEAHLSHLSECVNAPSTCSFKRYVGCV 240

Qy 241 FGQTNQIQIAHEASSAVQHVNLKWEWSLLEKKVSLQNESETEKNSIQLSHNQICSPEI 300  
Db 218 --GTMNQIQIAHEASSAVQHVNLKWEWSLLEKKVSLQNESETEKNSIQLSHNQICSPEI 275

Qy 301 EIEROKEMRNNESKILHQLQVTDQSQAEMKELDKETRPRFRONWEADSMMSSVESTQNR 360  
Db 276 EIEROKEMRNNESKILHQLQVTDQSQAEMKELDKETRPRFRONWEADSMMSSVESTQNR 335

Qy 361 VTELESVDSAGQAVRNTGILSOLSRHNDQMSVYHDLRFLRQVLETAASYNQYLVN 420  
Db 336 VTELESVDSAGQAVRNTGILSOLSRHNDQMSVYHDLRFLRQVLETAASYNQYLVN 395

Qy 421 KIRDYKRRQEAQVAKTSLISQSPFYTGFGYKMCARYLNGDGMGKGTTHISLFFVIMRG 480

RESULT 5  
 US-09-950-902-4  
 ; Sequence 4, Application US/09950902  
 ; Patent No. US20020127615A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: The Trustees of Columbia University in the City of  
 TITLE OF INVENTION: TRAF-3 DELETION ISFORMS AND USES THEREOF  
 FILE REFERENCE: 58732-A-FCT  
 CURRENT APPLICATION NUMBER: US/09/950,902  
 PRIORITY NUMBER: PCT/US00/06503  
 PRIORITY FILING DATE: 2000-03-10  
 PRIORITY APPLICATION NUMBER: 09/258,544  
 PRIORITY FILING DATE: 1999-03-11  
 NUMBER OF SEQ ID NOS: 14  
 SOFTWARE: PatentIn Ver. 2.1  
 SEQ ID NO 4  
 LENGTH: 347  
 TYPE: PRT  
 ORGANISM: isolated TRAF-3 deletion isoform protein  
 US-09-950-902-4

Query Match 56.6%; Score 1701.5; DB 10; Length 347;  
 Best Local Similarity 61.1%; Pred. No. 5.2e-116;  
 Matches 347; Conservative 0; Mismatches 0; Indels 221; Gaps 1;

QY 1 MESSKKMDSPGAIQTNPPLKLTDRSAGTPVIVPEQGYKEKFKVTKVEDKVKCEKHLVL 60  
 Db 1 MESSKKMDSPGAIQTNPPLKLTDRSAGTPVIVPEQGYKEKFKVTKVEDKVKCEKHLVL 60

QY 61 CSPROTECGHRCESCMAALISSSSPCKTACOESTIVDKVFRDNCCRELLALQTYCRNE 120  
 Db 61 CSPKQTECGHRCESCMAALISSSSPCKTACOESIVDKD----- 99

QY 121 SRGCAEQTGLGHILVHLKNDCTFEELFCVRPICKERVKLRKDHRVKEACKYREATCSHC 180  
 Db 100 ----- 99

QY 181 KSQVPMTALQKHEDIDCPCVVSCPHCSVQTLRLSEAHLSLSECVNAPSTCSFKRYGC 240  
 Db 100 ----- 99

QY 241 FGSTQNQQTAKHASSAVQHVNLLKEWNSNLSKVRSLQNESEVKNSIQSIHLNQICSFEI 300  
 Db 100 ----- 99

QY 301 ETIERQKEMRNNESKILHLQRVIDSQAEKLLKELDEKTRPERSONWEADSMKSVESLQR 360  
 Db 100 -----RVIDSQAEKLLKELDEKTRPERSONWEADSMKSVESLQR 139

QY 361 VTELESVDSKSAQVARNGLLESQSLSRHDQMSVHDIRLADMRLFQVLETASYNGLW 420  
 Db 140 VTELESVDSKSAQVARNGLLESQSLSRHDQMSVHDIRLADMRLFQVLETASYNGLW 199

QY 421 KRDYKRKQEWGMGKTLISYSSQPFITGIGFKYKMCARVYLNGDMGKGTHILSLFFVIMRG 480  
 Db 200 KRDYKRKQEWGMGKTLISYSSQPFITGIGFKYKMCARVYLNGDMGKGTHILSLFFVIMRG 259

QY 481 EYDALLPMPFKQVTLMLMDQSSRRHILGDAKPDNNSSSRKPTEGEMNTASGCPVFAQ 540  
 Db 260 EYDALLPMPFKQVTLMLMDQSSRRHILGDAKPDNNSSSRKPTEGEMNTASGCPVFAQ 319

QY 541 TYLENGLYIKDDMIFIKVIVDSDLPP 568  
 Db 320 TYLENGLYIKDDMIFIKVIVDSDLPP 347

RESULT 6  
 RESULT 6

US-09-798-789-4  
 ; Sequence 4, Application US/09798789  
 ; Patent No. US200009780A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Dahiyat, Bassil  
 ; APPLICANT: Filikov, Anton  
 TITLE OF INVENTION: DESIGN AND DISCOVERY OF PROTEIN BASED TNF-ALPHA RELATED VARIANTS FOR THE TREATMENT OF TNF-ALPHA RELATED DISORDERS  
 FILE REFERENCE: A-68950-1-RFT/RMS/RMK  
 CURRENT APPLICATION NUMBER: US/09/798,789  
 CURRENT FILING DATE: 2001-03-02  
 PRIORITY NUMBER: US 60/186,427  
 PRIORITY FILING DATE: 2000-03-02  
 NUMBER OF SEQ ID NOS: 22  
 SOFTWARE: PatentIn Ver. 2.1  
 SEQ ID NO 4  
 LENGTH: 43  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-09-798-789-4

Query Match 71%; Score 214; DB 10; Length 43;  
 Best Local Similarity 100.0%; Pred. No. 1.5e-09;  
 Matches 43; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 374 VARNTGLLESQSLRSRDQMSVHDIRLADMRLFQVLETASYNG 416  
 Db 1 VARNTGLLESQSLRSRDQMSVHDIRLADMRLFQVLETASYNG 43

RESULT 7  
 US-09-981-289-4  
 ; Sequence 4, Application US/09981289  
 ; Patent No. US20020110868A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Dahiyat, Bassil I.  
 ; APPLICANT: Filikov, Anton  
 TITLE OF INVENTION: DESIGN AND DISCOVERY OF PROTEIN BASED TNF-ALPHA FOR THE TREATMENT OF ALPHA RELATED DISORDERS  
 FILE REFERENCE: A-68950-3-RFT/RMS/RMK  
 CURRENT APPLICATION NUMBER: US/09/981,289  
 CURRENT FILING DATE: 2001-10-15  
 PRIORITY NUMBER: US 60/186,427  
 PRIORITY FILING DATE: 2000-03-02  
 PRIORITY APPLICATION NUMBER: US 09/945,150  
 PRIORITY FILING DATE: 2001-08-31  
 PRIORITY APPLICATION NUMBER: US 09/798,789  
 PRIORITY FILING DATE: 2001-03-02  
 NUMBER OF SEQ ID NOS: 8  
 SOFTWARE: PatentIn version 3.1  
 SEQ ID NO 4  
 LENGTH: 43  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-09-981-289-4

Query Match 71%; Score 214; DB 10; Length 43;  
 Best Local Similarity 100.0%; Pred. No. 1.5e-09;  
 Matches 43; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 374 VARNTGLLESQSLRSRDQMSVHDIRLADMRLFQVLETASYNG 416  
 Db 1 VARNTGLLESQSLRSRDQMSVHDIRLADMRLFQVLETASYNG 43

RESULT 8  
 US-09-864-761-33993  
 ; Sequence 33993, Application US/09864761  
 ; Patent No. US2000048763A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Penn, Sharron G.  
 ; APPLICANT: Rank, David R.

APPLICANT: Hanelz, David K.  
 APPLICANT: Chen, Wensieng  
 TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR  
 FILE REFERENCE: Aegomica-X-1  
 CURRENT APPLICATION NUMBER: US/09/864,761  
 CURRENT FILING DATE: 2001-05-23  
 PRIOR APPLICATION NUMBER: US 60/180,312  
 PRIOR FILING DATE: 2000-02-04  
 PRIOR APPLICATION NUMBER: US 60/207,456  
 PRIOR FILING DATE: 2000-05-26  
 PRIOR APPLICATION NUMBER: US 09/632,366  
 PRIOR FILING DATE: 2000-09-27  
 PRIOR APPLICATION NUMBER: PCT/US01/00666  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00667  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00668  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00669  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00665  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00664  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00663  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00662  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00661  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00670  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: US 60/234,687  
 PRIOR FILING DATE: 2000-09-31  
 PRIOR APPLICATION NUMBER: US 09/608,408  
 PRIOR FILING DATE: 2000-06-30  
 PRIOR APPLICATION NUMBER: US 09/774,203  
 PRIOR FILING DATE: 2001-01-29  
 NUMBER OF SEQ ID NOS: 49117  
 SOFTWARE: Annotrax Sequence Listing Engine vers. 1.1  
 SEQ ID NO: 33993  
 LENGTH: 72  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 FEATURE:  
 OTHER INFORMATION: MAP TO AC006430.15  
 OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.5  
 OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.2  
 OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.4  
 OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.3  
 OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 1.1  
 OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.3  
 OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.2  
 OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.8  
 OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.2  
 OTHER INFORMATION: EST HUMAN HIT: AWJ36067.1, EVALU 1.00e-18  
 OTHER INFORMATION: SWISSPROT HIT: Q13077, EVALU 3.00e-37  
 US-09-864-761-33993  
 Query Match 5.1%; Score 153; DB 10; Length 658;  
 Best Local Similarity 19.3%; Pred. No. 0.0012;  
 Matches 69; Conservative 71; Mismatches 107; Indels 110; Gaps 17;  
 QY 51 YKCEKCHLVLCSPKQTECGHRFCBSCMAALLSSSPKCTACOBISIVDKVFKNDNCREI 110  
 Db 362 FECSLCMRIFEPVTTPCGHSFKNCLECRL-DHAPICPLCKSL----- KEY 408  
 QY 111 LALQYCRRESRSGCAEQLTLGHIVLHNDCHPHELPCVRRPCKEYVLRKDLDHVKEK 170  
 Db 409 LADRYCVQ---LLEELVQK-----PD-ELSRKKYDE---- 441  
 QY 171 KYREATCICKSQVPM-TALQKHEDTDCPCCVWVSPHKCSVQTLRSLSAHLSECYNA 229  
 Db 442 -EFAELSLTUKNPKIVFQTMATPPVPEPLHVPEPRYRMLRISIQG-TKQFGMCVSDT 498  
 QY 230 STCSFKRYCIVFQGTNQQKAHEASSAVQHVNLKENSLE---KVKSLQNESVEKN 285  
 Db 499 QN-SPADYGCMLQ-----INNVHFLPDGSVNDIVGKRFERVLK----- 536  
 QY 286 KSIOLHNQICSEFEIERQKEMLRNNKSKILHORVID---SQA---EKIKELDKB-- 336  
 Db 537 --RQMDKSYCT-ADIELEDVKEVNEDEIKNRELHDLVYQACSMNFQNRDRFSQI 591  
 QY 337 IRPFRRQWREADMSK-----SVESSLQNVTELESV 367  
 Db 592 LQHFGSMPLREERENLQAAQPNPAWCWMLLAVLPVDPYRQYOLSVLSMSKLKERLTKIOI 648  
 RESULT 10  
 US-09-949-842-19  
 ; Sequence 19, Application US/0949842  
 ; Patent No. US20030164692A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ni et al.  
 ; TITLE OF INVENTION: PT047P1

Query Match 6.2%; Score 186.5; DB 10; Length 72;  
 Best Local Similarity 51.4%; Pred. No. 2.9e-07;  
 Matches 37; Conservative 17; Mismatches 15; Indels 3; Gaps 2;  
 QY 494 VTMILMPDGSSRHLGQAFKPPNPFSSFKPKPGMMIASCQPVVQATVLIEN--GMYIKD 551  
 Db 1 VTMILMPDGSSRHLGQAFKPPNPFSSFKPKPGMMIASCQPVVQATVLIEN--GMYIKD 59

PRIOR APPLICATION NUMBER: US/09/949,842  
 CURRENT APPLICATION NUMBER: US/09/949,842  
 CURRENT FILING DATE: 2001-09-02  
 PRIOR APPLICATION NUMBER: PCT/US01/07260  
 PRIOR FILING DATE: 2001-03-07  
 PRIOR APPLICATION NUMBER: 60/224,367  
 PRIOR FILING DATE: 2000-08-11  
 PRIOR APPLICATION NUMBER: 60/187,873  
 NUMBER OF SEQ ID NOS: 26  
 SOFTWARE: PatentIn Ver. 2.0  
 LENGTH: 185  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 -09-949-842-19

Query Match 5 0%; Score 149; DB 9; Length 185;  
 Best Local Similarity 22.3%; Pred. No. 0.0049; Mismatches 90; Indels 54; Gaps 4;  
 Matches 49; Conservative 27; Missmatches 52; Gaps 4;

21 LHTDRSAGTPVFPVPEQGGYKEFKVKTVEDYKCKCHLVLCSPKQTECGHRFCESMAAL 80  
 5 LSDSGSKASAPASATARALERRDPPELVPVTSFDCAVCLEVLHOPVPRGHHFCRSIATS 64  
 81 LSSSSPKCTACQESTIVKDKVFKDNCKRETLALQIYCNRNESGRAEQLTGHLLVHLKND 140  
 65 LKNNKWTCPPYCRAYLPSEGVPAVAKR-----MSEYKNAE----- 102

141 CHFEELPCVYRDPCKERKVLRKDRLDIVEACKYRATCCHSKCSPVPMIAQLQKHDPTDCPCV 200  
 103 -----CILVCLSEMRAHIRTQKID-----KYGFLQELSETAAVCY 140

201 WSCPHKCSVOTLRLSELSAHSE-----CVNAPS 230

141 CFPFCORELYEDSLLDHCITHRSRERRPVVRFWVTCITAMS 180

SUIT 11  
 Sequence 1277, Application US/09764864  
 Patent No. US2002132753A1  
 GENERAL INFORMATION:  
 APPLICANT: Rosen et al.  
 TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
 FILE REFERENCE: PT223  
 CURRENT APPLICATION NUMBER: US/09/764,864  
 CURRENT FILING DATE: 2001-01-17  
 Prior application data removed - consult PALM or file wrapper  
 NUMBER OF SEQ ID NOS: 1792  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO: 1277  
 LENGTH: 563  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 FEATURE:  
 NAME/KEY: SITE  
 LOCATION: (6)  
 OTHER INFORMATION: xaa equals any of the naturally occurring L-amino acids  
 LOCATION: (10)  
 OTHER INFORMATION: xaa equals any of the naturally occurring L-amino acids  
 NAME/KEY: SITE  
 LOCATION: (42)  
 OTHER INFORMATION: xaa equals any of the naturally occurring L-amino acids  
 NAME/KEY: SITE  
 LOCATION: (43)  
 OTHER INFORMATION: xaa equals any of the naturally occurring L-amino acids  
 NAME/KEY: SITE  
 LOCATION: (54)

Query Match 5 0%; Score 149; DB 10; Length 563;  
 Best Local Similarity 22.7%; Pred. No. 0.0091; Mismatches 49; Indels 46; Gaps 4;  
 Matches 49; Conservative 26; Missmatches 52; Gaps 4;

QY 21 LHTDRSAGTPVFPVPEQGGYKEFKVKTVEDYKCKCHLVLCSPKQTECGHRFCESMAAL 80  
 DB 5 LSDSGSKASAPASATARALERRDPPELVPVTSFDCAVCLEVLHOPVPRGHHFCRSIATS 64  
 QY 81 LSSSSPKCTACQESTIVKDKVFKDNCKRETLALQIYCNRNESGRAEQLTGHLLVHLKND 140  
 DB 65 LKNNKWTCPPYCRAYLPSEGVPAVAKR-----MSEYKNAE----- 102

OTHER INFORMATION: xaa equals any of the naturally occurring L-amino acids  
 ; us-09-764-864-1277

Query Match 5 0%; Score 149; DB 10; Length 563;  
 Best Local Similarity 21.4%; Pred. No. 0.002; Mismatches 61; Indels 78; Gaps 14;  
 Matches 61; Conservative 52; Missmatches 94; Indels 78; Gaps 14;

QY 51 YKCEKCHLVLCSPKQTECGHRFCESMAALSSSSPKCTACQESTIVKDKVFKDNCKREI 110  
 DB 302 FECSLCMRLFEPVTPCCHSFCRNCLERCL-DHAPYCPCLKESL-----KEY 348  
 QY 111 LALQIYCRERSRGAEQLTGHLLVHLKNDCHHEELPCVYRDPCKEKKVLRKDRLDHWKAC 170  
 DB 349 LADERYCVC-----LIEELIVKYL----- 381  
 QY 171 KYREATCSICKSOPM-TALQKHDTDGFCCVWSPHCKCSVOTLRLSELSAHSECVNAP 229  
 DB 382 --EPAELSHLTKNVPIFQCTMAYPTVPPCPHLVPEPRYRIMRISIQG-TKGEGMCVSDT 438  
 QY 230 STCSFKRYCVFOQTNQQTKAHEASSAYQVHNLKEWNSLE---KKVSLQNESVEKN 285  
 DB 439 QN SFADYQGCMQL----- 476  
 QY 286 KSTOSLHNQICSFELIEERQKEMLRNNESSKILHQRVD--SOA 327  
 DB 477 --RGMKDQYCT--ADIEYLEDVVKVENEDEIKNRELHDLVYQSA 516

RESULT 12  
 US-09-998-667-1  
 ; Sequence 1, Application US/09998667  
 ; Patent No. US20030146747A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Masuda, Esteban  
 ; APPLICANT: Liao, X. Charlene  
 ; APPLICANT: Zhao, Haoran  
 ; APPLICANT: Chu, Peter  
 ; APPLICANT: Pardo, Jorge  
 ; APPLICANT: Rigel Pharmaceuticals, Incorporated  
 ; TITLE OF INVENTION: TRAC1: Modulators of Lymphocyte Activation  
 ; FILE REFERENCE: 021044-000600US  
 ; CURRENT APPLICATION NUMBER: US/09/998,667  
 ; CURRENT FILING DATE: 2001-12-03  
 ; PRIOR APPLICATION NUMBER: US 60/282,432  
 ; PRIOR FILING DATE: 2001-04-06  
 ; NUMBER OF SEQ ID NOS: 18  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO: 1  
 ; LENGTH: 232  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 ; FEATURE:  
 ; OTHER INFORMATION: human wild-type TRAC1 (FLJ20456)  
 ; US-09-998-667-1

Query Match 4 9%; Score 147; DB 10; Length 232;  
 Best Local Similarity 22.7%; Pred. No. 0.0091; Mismatches 49; Indels 46; Gaps 4;  
 Matches 49; Conservative 26; Missmatches 52; Gaps 4;

QY 21 LHTDRSAGTPVFPVPEQGGYKEFKVKTVEDYKCKCHLVLCSPKQTECGHRFCESMAAL 80  
 DB 5 LSDSGSKASAPASATARALERRDPPELVPVTSFDCAVCLEVLHOPVPRGHHFCRSIATS 64  
 QY 81 LSSSSPKCTACQESTIVKDKVFKDNCKRETLALQIYCNRNESGRAEQLTGHLLVHLKND 140  
 DB 65 LKNNKWTCPPYCRAYLPSEGVPAVAKR-----MSEYKNAE----- 102

OTHER INFORMATION: xaa equals any of the naturally occurring L-amino acids  
 ; us-09-998-667-1

OTHER INFORMATION: xaa equals any of the naturally occurring L-amino acids  
 ; NAME/KEY: SITE  
 LOCATION: (145)  
 OTHER INFORMATION: xaa equals any of the naturally occurring L-amino acids  
 NAME/KEY: SITE  
 LOCATION: (146)  
 LOCATION: (146)  
 OTHER INFORMATION: xaa equals any of the naturally occurring L-amino acids  
 ; us-09-998-667-1

OTHER INFORMATION: xaa equals any of the naturally occurring L-amino acids  
 ; NAME/KEY: SITE  
 LOCATION: (145)  
 OTHER INFORMATION: xaa equals any of the naturally occurring L-amino acids  
 NAME/KEY: SITE  
 LOCATION: (145)  
 OTHER INFORMATION: xaa equals any of the naturally occurring L-amino acids  
 NAME/KEY: SITE  
 LOCATION: (145)

RESULT 13  
 US-09-764-864-835  
 ; Sequence 835, Application US/09764864  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Rosen et al.  
 ; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
 ; FILE REFERENCE: PT223  
 ; CURRENT APPLICATION NUMBER: US/09/764,864  
 ; CURRENT FILING DATE: 2001-01-17  
 ; PRIOR APPLICATION data removed - consult PALM or file wrapper  
 ; NUMBER OF SEQ ID NOS: 1792  
 ; SOFTWARE: Patentin Ver. 2.0  
 ; SEQ ID NO: 835  
 ; LENGTH: 503  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 ; US-09-764-864-835

Query Match 4.6%; Score 137; DB 10; Length 503;  
 Best Local Similarity 20.4%; Pred. No. 0.013; Gaps 24;  
 Matches 95; Conservative 63; Mismatches 156; Indels 152; Gaps 24;

Qy 44 VKTVEDKYKCEKC---HIVLCSPKQTECGHRCTCESMAALISSSSPKCTAC--- 91  
 Db 24 MTKTDLRQGICCFYFNIMIIP---QCSHNVCSLCIRKFLSYKTQCPCTCCVTVTPELD 80

Qy 92 ---QESTVKYFKDN---CCKREITALQIYCNRNESRGAEO---LT 129  
 Db 81 KNRNLTDELVLSNFARNHLQFALESFAKSPASSSENKLAVVYTPVAVRQSLR 140

Qy 130 LGHLVHLVHNLQCHREELPVPRPCKEVKLRKDHRVHACKREATC---SHCK 181  
 Db 141 MDNFIIREMGSSTELL---IKENKSFKSPQKEASPAAKTRKETRSVEEIAAPDPEAK 194

Qy 182 SQVP-MIALQKHEDTDCPVCVWVSCPHKCSVQTLRSELSEAHISECVN--- 227  
 Db 195 RPEPSTSILKQVVKVQDCVCGVNIP---ESHINKHDLSCSREKEKESLSSV 245

Qy 228 ---APSTC---SFPRYGVFGQNGQ-IKAHE-----A 253  
 Db 246 HKRKLPLKTVYNNLSDRDLKKKLRKGHSIIGNQKOLIKRHOEVHMNAQCDALHRS 305

Qy 254 SSAYOHVNILKEMENSLEKVKSLQNESY-----EKXKSIQSLHNOI-CSFBIETRQK 306  
 Db 306 AETVQEENIETKRMLE--ASKL-NESVAFPTDQTEREIDETHSKYRKHKSEFQQLV 362

Qy 307 EMLRNNESTILH-LQRTI---DSQAEKL---KELD- KEIR 338  
 Db 363 DQARKGYKKIAGMSQTKVITKIDESTERKLSSVQCMGOEDNMTSVTNHRQSOKDSPEELE 422

Qy 339 PRDREWEADMSMSVSESLQNRVTELESVDSQGQVARTGLESQ 384  
 Db 423 PRDRE--EDSSCIDIQEVLISS--SESDCSNSSSDIIRD--LIEEE 462

RESULT 14  
 US-09-998-667-9  
 ; Sequence 9, Application US/09998667  
 ; Patent No. US2002146747A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Masuda, Esteban  
 ; APPLICANT: Liao, X. Charlene  
 ; APPLICANT: Zhao, Haoran

Query Match 4.5%; Score 136; DB 9; Length 1641;  
 Best Local Similarity 21.5%; Pred. No. 0.067; Gaps 22;  
 Matches 97; Conservative 75; Mismatches 165; Indels 114; Gaps 22;

Qy 40 KERFKVTKVEDKYKCEKCHLVCSPKQTECGHRFCSCMAALISSSSPKCTACQESTV 97  
 Db 76 KKLKLSKELQDSQDKHNM -EQENTRLIRRVE--VEAVLSQEVELKASEQNSLIE 131

RESULT 15  
 US-10-017-216-5  
 ; Sequence 5, Application US/10017216  
 ; Patent No. US2002160483A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: KAPELLER-LIBERMANN, Rosana  
 ; TITLE OF INVENTION: 1345, A No. US20020160483A1 Human Myotonic Dystrophy Type P  
 ; FILE REFERENCE: 10147-57U1  
 ; CURRENT APPLICATION NUMBER: US/10/017,216  
 ; CURRENT FILING DATE: 2001-10-23  
 ; PRIOR APPLICATION NUMBER: US 60/242,429  
 ; PRIOR FILING DATE: 2000-10-23  
 ; NUMBER OF SEQ ID NOS: 7  
 ; SOFTWARE: Patentin Ver. 2.1  
 ; SEQ ID NO 5  
 ; LENGTH: 1641  
 ; TYPE: PRT  
 ; ORGANISM: Mus musculus  
 ; US-10-017-216-5

Query Match 4.5%; Score 136; DB 9; Length 1641;  
 Best Local Similarity 21.5%; Pred. No. 0.067; Gaps 22;  
 Matches 97; Conservative 75; Mismatches 165; Indels 114; Gaps 22;

